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FIG. 1

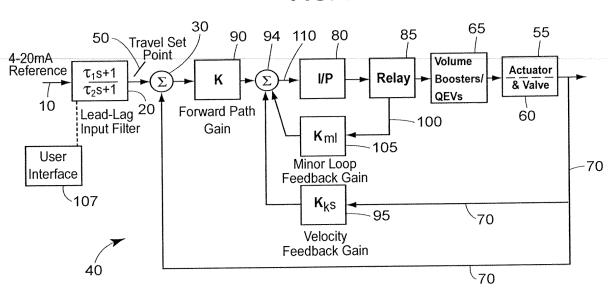
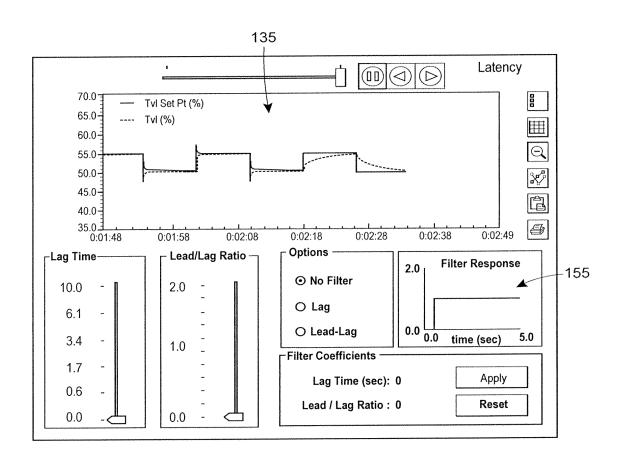


FIG. 2 310 315 320 130 120 (00) Latency 360 囲 355 Q 350 345 自 340 230 335 220 228 Lead/Lag Ratio Options · Opening-Closing -Lag Time-Filter Response 2.0 O No Filter ▲ -150 210 O Lag -10.0 O Lead-Lag 200 1.5 1.5\_ 3.7 O Aysm. Lead-Lag 0.0 0.0 5.0 time (sec) 1 1.4 205 Filter Coefficients 0.5 214 0.5 xxx sec 0.5 Lag Time: **Apply** Opening Ratio: xxx 0.2 -216 0 Reset Closing Ratio: xxx A 212 207 200 209 200

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FIG. 3

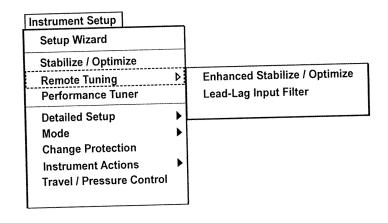


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FIG. 4

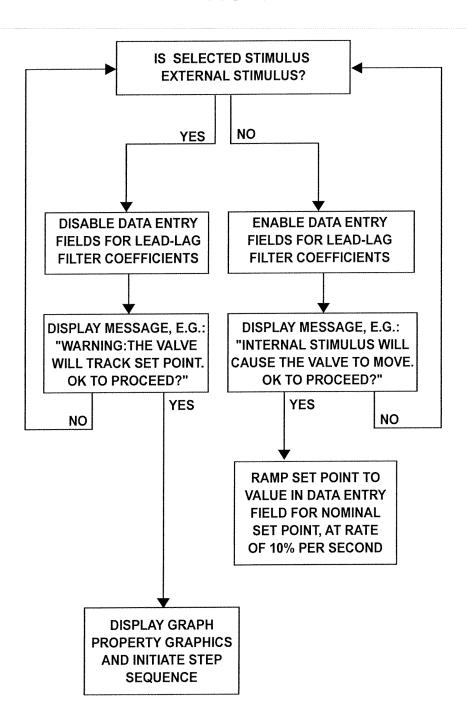
○ValveLink Stimulus (Square Wave)
Nominal Set Point (%)  Step Size (%)  Step Hold Time (sec)

FIG. 7



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FIG. 5



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LEAD/LAG RATIO **EAD/LAG RATIO** LEAD/LAG RATIO **LEAD/LAG RATIO** DISABLE USER DISABLE USER DISABLE USER **ENABLE USER** FOR CLOSING FOR CLOSING FOR CLOSING FOR CLOSING INTERFACE INTERFACE NTERFACE NTERFACE CONTROL CONTROL CONTROL CONTROL CLOSING -EAD/LAG RATIO VALUE STORED RATIO SET TO IN DATABASE **USER INPUTS** RATIO VALUE LEAD/LAG LEAD/LAG LEAD/LAG LEAD/LAG RATIO SET RATIO SET CLOSING CLOSING **CLOSING** CLOSING TO 0.0 TO 0.0 **.EAD/LAG RATIO .EAD/LAG RATIO** LEAD/LAG RATIO **EAD/LAG RATIO** DISABLE USER DISABLE USER **ENABLE USER ENABLE USER** FOR OPENING FOR OPENING FOR OPENING FOR OPENING INTERFACE NTERFACE INTERFACE NTERFACE CONTROL CONTROL CONTROL CONTROL OPENING LEAD/LAG RATIO VALUE STORED RATIO SET TO N DATABASE **USER INPUTS** RATIO VALUE LEAD/LAG RATIO SET LEAD/LAG RATIO SET LEAD/LAG LEAD/LAG OPENING **OPENING OPENING OPENING** TO 0.0 TO 0.0 FOR CHANGING FOR CHANGING FOR CHANGING FOR CHANGING DISABLE USER **ENABLE USER ENABLE USER ENABLE USER** INTERFACE INTERFACE INTERFACE INTERFACE AG TIME AG TIME CONTROL AG TIME AG TIME CONTROL CONTROL CONTROL LAG **USER INPUTS USER INPUTS USER INPUTS** VALUE FOR ▼ VALUE FOR **VALUE FOR VALUE SET** LAG TIME SECONDS LAG TIME LAG TIME LAG TIME TO 0.0 ASYMMETRIC LEAD-LAG **▼**LEAD-LAG NONE P LAG WHICH FILTER TYPE OPTION IS SELECTED DETERMINE